

ILLINOIS WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

*** Corn - 84% silked (tasseled), 20% dough
*** Soybeans - 78% blooming, 33% setting pods
*** Soil Moisture - 95% short, 5% adequate.

There were 6.5 DAYS SUITABLE for FIELDWORK for the week ending Friday, July 29. Reports indicate serious damage has been done to most crops due to the hot, dry weather. Livestock have also suffered from the heat.

CORN was 84% silked on July 31, compared to 96% last year and 89% for the 5-year average (1978-82). Twenty percent was in the dough stage compared to 47% last year and 34% for the average. Condition was reported on July 29 as 2% excellent, 11% good, 51% fair and 20% poor. Condition by regions is shown in the table on the back page. Heavy infestation of insects was reported in many areas across the State.

SOYBEAN acreage was 78% blooming by Sunday, July 31, compared to 83% last year and the average of 77%. Thirty-three percent were setting pods, compared to 52% last year and to 40% for the average. Condition was reported 1% excellent, 35% good, 57% fair and 7% poor on July 29.

OATS were 95% ripe, compared to 94% last year and 97% for the average. Harvest was 75% complete, compared to 63% last year and the 70% average.

The second crop of ALFALFA HAY was 92% cut, Sunday, July 31, compared to 85% for both last year and the average. The third crop was 15% cut compared to 6% last year and the average of 10%. Condition of alfalfa declined last week and on Friday, July 29, was 17% good, 63% fair, and 20% poor.

PASTURE condition on Friday, July 29, was reported 4% good, 43% fair, 50% poor and 3% a failure.

SOIL MOISTURE on Friday, July 29, before this weekend's thunderstorms, was reported as 95% short and 5% adequate.

WEATHER

The week of July 25-August 1 started out with near normal TEMPERATURES across the State. By mid-week the State was in the midst of another heat wave with temperatures 12-15 degrees above normal in Northern Illinois and 7-13 degrees above normal in Southern and Central Illinois. The weekend brought some slightly cooler temperatures but still well above normal.

PRECIPITATION was spotty for the week. Decatur recorded 1.63 inches, Peoria 1.29 inches, while a number of other stations had amounts less than an inch.

The OUTLOOK for the week of August 1-7 promises to be more of the same. Temperatures will remain near normal early in the period, warming to well above normal later in the week. Precipitation will continue to be spotty and light over Illinois.

STATE WATER SURVEY DIVISION

Soil moisture was measured by the State Water Survey Division at sites of the Illinois Climatological Network throughout the State during the past week. These values are for total soil moisture, not Potential Plant Available Moisture.

Site	County	Inches of Soil Moisture	
		Total Soil Moisture, surface to 20"	Change in last half month
Freeport	Stephenson	4.3	-0.6
Shabbona	DeKalb	M	M
Mommouth	Warren	3.2	-0.7
Appleton	Knox	2.6	-0.8
Peoria	Tazewell	3.0	-0.5
Topeka	Mason	2.1	-0.1
Bondville	Champaign	M	M
Perry	Pike	2.8	-0.2
Springfield	Sangamon	3.8	-0.7
Brownstown	Fayette	2.4	-2.1
Olney	Richland	2.9	-0.1
Salem	Marion	2.7	-0.9
Belleville	St. Clair	4.4	+0.7
Ina	Jefferson	4.0	+0.9
Carbondale	Jackson	2.8	+0.4
Dixon Springs	Pope	3.9	-1.7

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % silked (as of July 31)	88	85	90	90	85	85	75	70	60	84	89
Soybeans: % blooming (as of July 31)	78	78	86	88	88	80	75	65	55	78	77
Days suitable for fieldwork:(week ending July 29)	7.0	7.0	7.0	7.0	7.0	7.0	6.5	6.0	5.5	6.5	
Soil moisture % (as of July 29) Short:	95	90	100	100	100	100	100	65	100	95	
Adequate:	5	10	-	-	-	-	-	35	-	5	

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CROP CONDITIONS BY REGIONS ON FRIDAY, JULY 29

	Corn					Soybeans				
	N	N.Cen.	S.Cen.	S	State	N	N.Cen.	S.Cen.	S	State
Excellent (%)	5	-	-	5	2	5	-	-	5	1
Good (%)	70	5	10	40	27	65	20	35	40	35
Fair (%)	20	70	60	45	51	25	75	50	50	57
Poor (%)	5	25	30	10	20	5	5	15	5	7

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	May	June	June 28- July 4	July 5- 11	July 12- 18	July 19- 25	July 26- August 1
Chicago	-6	+1	+3	-3	+8	+8	+7
Peoria	-3	+1	+7	-2	+7	+11	+7
Springfield	-4	+1	+6	-4	+6	+9	+5
St. Louis	-3	+1	+7	-2	+6	+11	+6

Station	Week ending Monday, 6 A.M., August 1									
	Temperatures					Growing degree days 1/				
	Maxi-	Mini-	Aver-	Current	3-yr.	Totals	Totals			
	mum	mum	age	week	av.2/	1982	1983			
Moline	:102	60	81.4	: 196	2021	2007	1945			
Rockford	: 96	61	72.0	: 190	1838	1858	1788			
Chicago O'Hare	:100	66	79.8	: 190	1807	1759	1701			
Quincy	:101	63	81.6	: 198	2130	1968	1940			
Decatur	: 98	61	79.7	: 188	2073	1983	1878			
Peoria	:102	64	81.9	: 197	2087	2069	1973			
Watseka 3/	: 99	57	78.2	: 176	1868	1830	1805			
Springfield	:101	61	81.0	: 192	2240	2183	2017			
Brownstown 3/	: 96	62	80.2	: 191	2235	2107	1970			
St. Louis	:101	69	84.2	: 212	2454	2371	2257			
Union Springs 3/	: 97	66	82.6	: 206	2469	2387	2174			

Totals are accumulated from April 1. 2/ Average of accumulated totals for 1980, 1981 and 1982. 3/ Previous years' data are not available.

Growing degree days(GDD's) are calculated by subtracting a 50° (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86° (F) and daily minimum to 50° (F). Thus, if the mean temperature for the day is 75°, then 25 GDD's will have been accumulated.

Precipitation: Week ending August 1

Station	Precipitation: Week ending August 1				
	Current	Normal	Accumulations since Apr.1	Normal 1/	Departure
	week	1/	1983		
Rockford	: 0.00	1.02	14.36	17.19	- 2.83
Chicago O'Hare	: 0.27	0.83	22.57	14.73	+ 7.84
Watseka	: 0.22	0.33	15.11	17.69	- 2.58
Peru	: 1.04	0.89	14.80	15.97	- 1.17
Moline	: 0.02	1.08	14.83	17.52	- 2.69
Peoria	: 1.29	0.89	19.39	15.66	+ 3.73
Monmouth	: 0.21	0.96	13.26	15.98	- 2.72
Quincy	: 0.27	0.89	12.87	15.37	- 2.50
Springfield	: 0.70	0.76	12.22	14.37	- 2.15
Decatur	: 1.62	0.90	22.68	16.78	+ 5.90
Urbana	: 1.45	0.96	21.99	15.93	+ 6.06
Belleville	: 0.00	0.77	14.26	14.74	- 0.48
Evansville, IN	: 0.02	0.88	25.95	16.27	+ 9.68

1/ 30-year average (1951-80).

PRECIPITATION:
First figure-Current week, 7/27-8/1
Parentheses--Previous week
M--Missing. T--Trace

